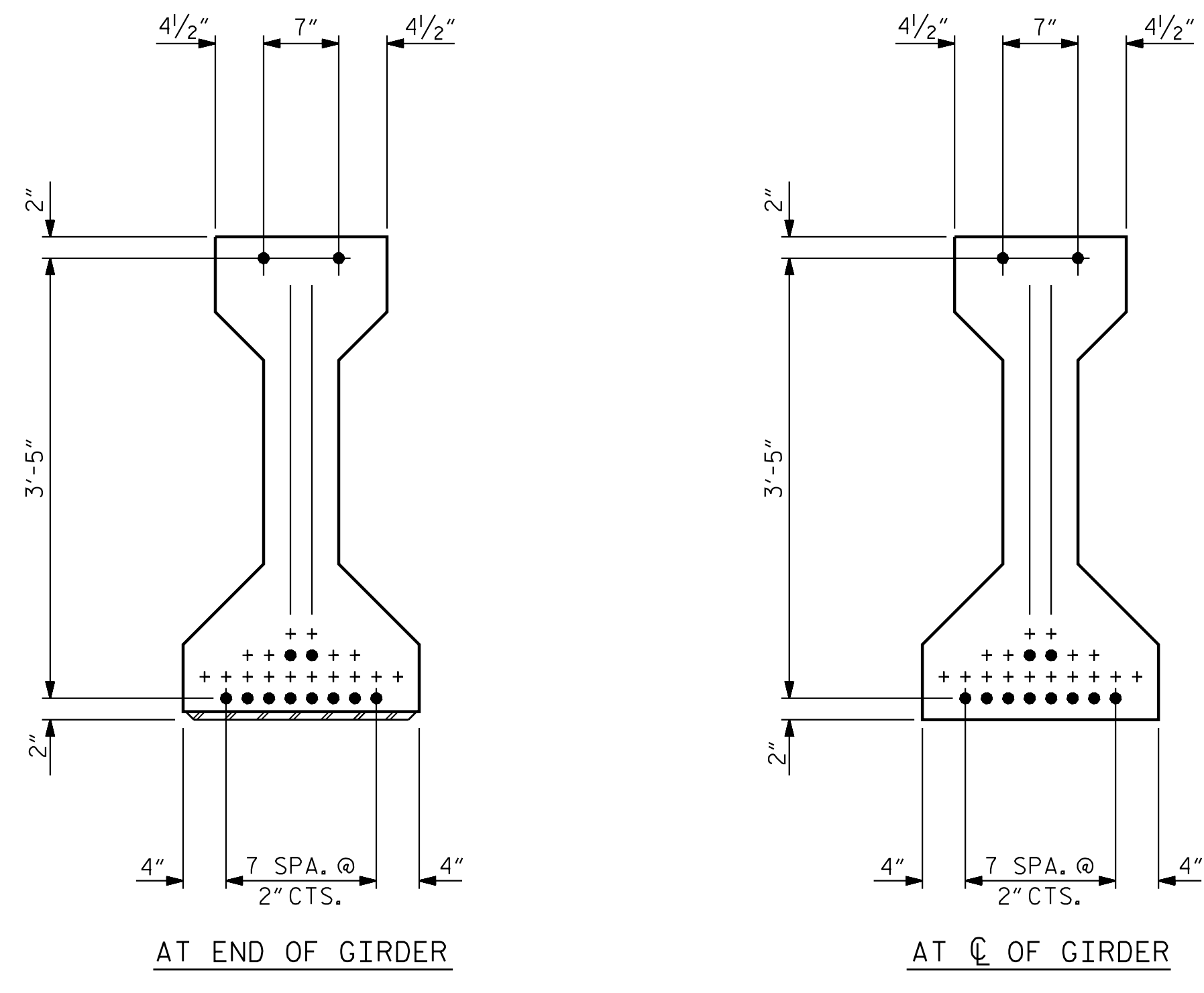
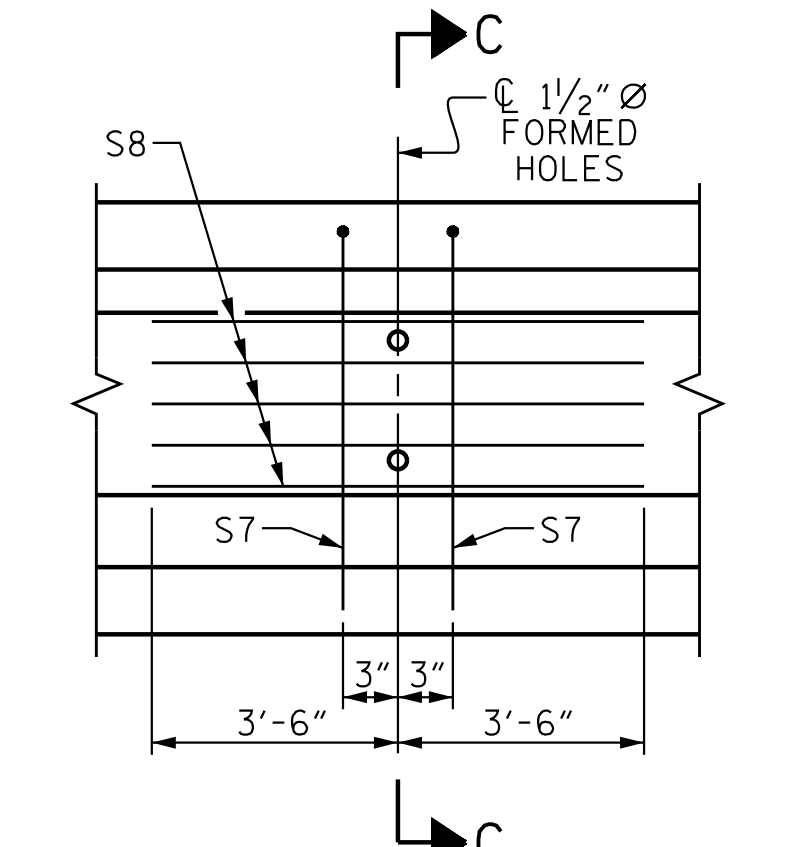
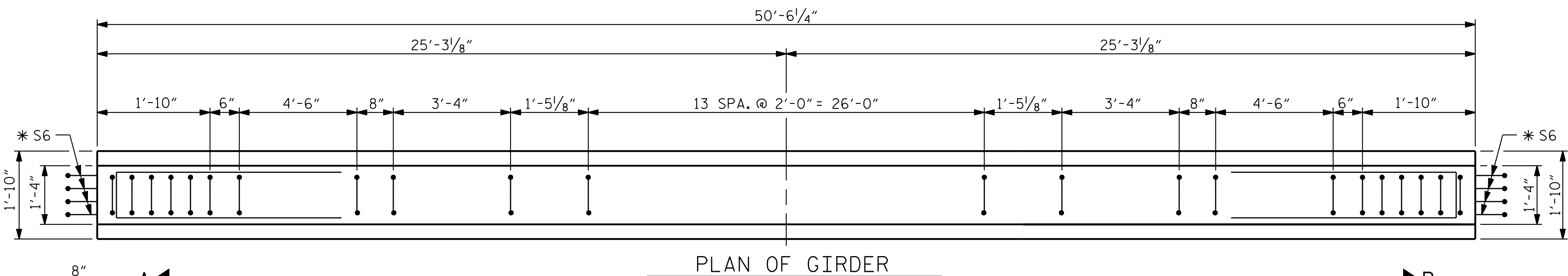


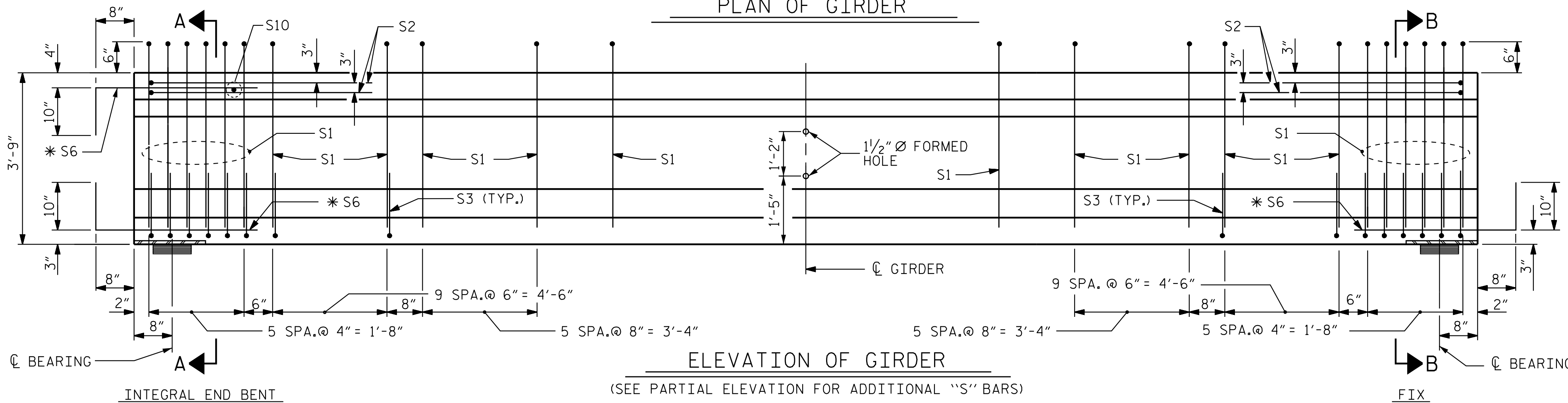
1 1/2" Ø FORMED HOLE (SEE FRAMING PLAN FOR LOCATION)



0.6" Ø LOW RELAXATION STRAND LAYOUT (12 STRANDS REQUIRED)



PARTIAL ELEVATION SHOWING INTERMEDIATE DIAPHRAGM REINFORCING STEEL FOR GIRDERS 1-7



ELEVATION OF GIRDER (SEE PARTIAL ELEVATION FOR ADDITIONAL "S" BARS)

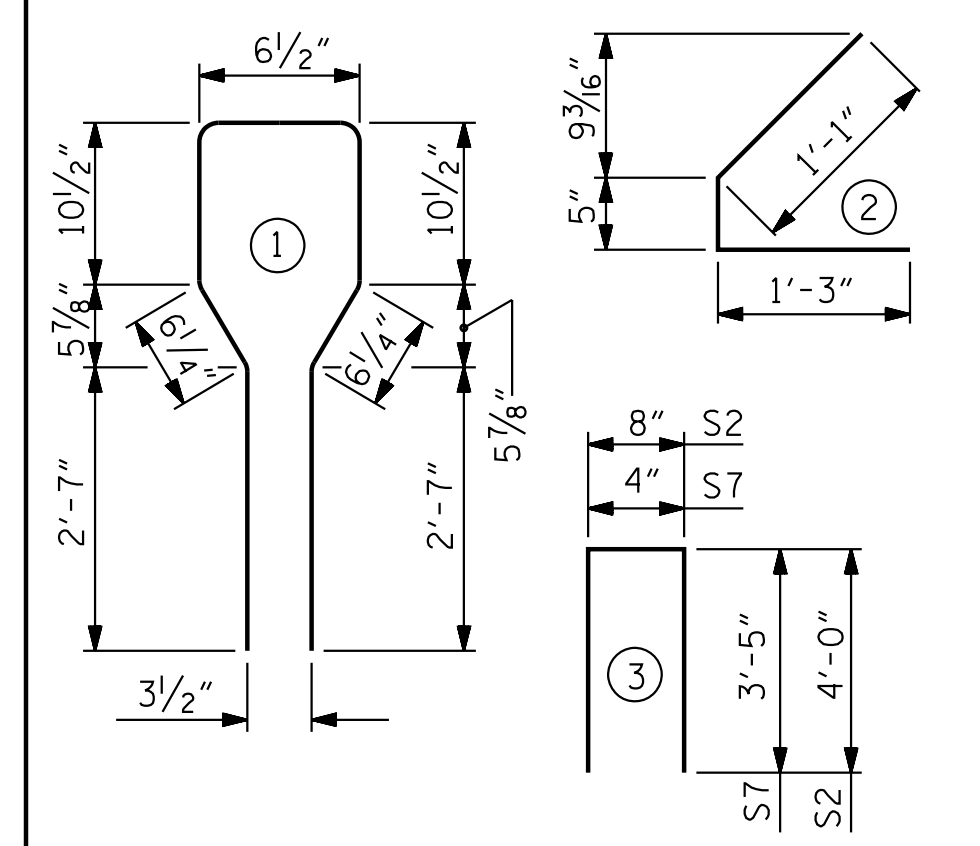
0.6" Ø L. R. GRADE 270 STRANDS		
AREA (SQUARE INCHES)	ULTIMATE STRENGTH (LBS. PER STRAND)	APPLIED PRESTRESS (LBS. PER STRAND)
0.217	58,600	43,950

REINFORCING STEEL FOR ONE GIRDER					
BAR	NUMBER	SIZE	TYPE	LENGTH	WEIGHT
S1	58	#4	1	8'-6"	330
S2	4	#4	3	8'-8"	24
S3	64	#4	2	2'-9"	118
*S6	12	#5	STR	3'-8"	46
S7	2	#5	3	7'-2"	15
S8	5	#4	STR	7'-0"	24
S10	1	#3	STR	1'-0"	1

* NOTE: S6 BARS SHALL BE BENT BEFORE SHIPMENT. HEAT BENDING SHALL NOT BE ALLOWED.

BAR TYPES

ALL BAR DIMENSIONS ARE OUT-TO-OUT

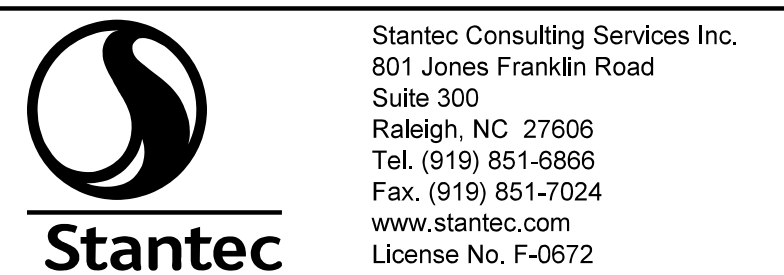


QUANTITIES FOR ONE GIRDER			
	REINFORCING STEEL LB.	5,000 PSI CONCRETE C.Y.	0.6" Ø L. R. STRANDS No.
ALL GIRDERS	558	7.3	12
GIRDERS REQUIRED			
NUMBER	LENGTH	TOTAL LENGTH	
7	50'-6 1/4"	353'-7 3/4"	

PROJECT NO. U-2525C
 GUILFORD COUNTY
 STATION: 337+20.09 -L-

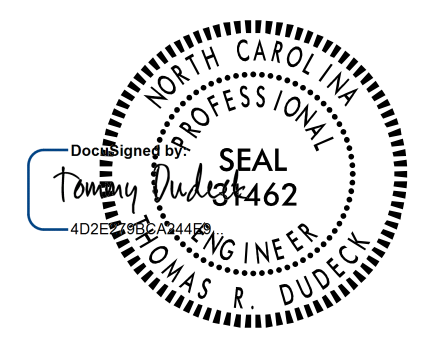
SHEET 1 OF 4
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
 STANDARD
 AASHTO TYPE III
 PRESTRESSED CONCRETE GIRDER
 CONTINUOUS FOR LIVE LOAD
 (SPAN A)

REVISIONS						SHEET NO.	
NO.	BY:	DATE:	NO.	BY:	DATE:	S4-12	
1			3			TOTAL SHEETS 39	
2			4				



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 www.stantec.com
 License No. F-0672

ASSEMBLED BY : N. D'AIUTO DATE : 01/25/17
 CHECKED BY : V.E. FRAGA DATE : 03/08/17
 DRAWN BY : ELR 8/91
 CHECKED BY : GRP 8/91
 REV. 5/1/06R TLA/GM
 REV. 10/1/11 MAA/GM
 REV. 1/15 MAA/TMG
 DESIGN ENGINEER OF RECORD: T.R. DUDECK DATE : 01/16/18



1/16/2018
 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED